SP-000483
TSG-RAN#9 Meeting Report

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NEC

General

- Around 130 Participants
- 190 Contributions
- Around 480 CRs on R'99
  - R'99 is getting stabilized
- Full 3 day meeting
- Work items for next releases are reviewed
  - Most Release 4 WIs are targeting at March'01 completion
  - Some WIs are moved to Release 5
- Updates documents to ITU-R were drafted

RAN WG1 (R’99)

- A total of 65 (97) CRs were submitted and approved
- Main work in WG1 moved to next release

RAN WG2 (R'99)

- A total of 148 (169) CRs were submitted and approved (One postponed)
- Still, there are many corrections on RRC
- No more open issues remaining
- Security: some holes identified and partly filled in on principles. Stage 3 description missing from RRC!
- RAN WG2 will delete the examples of reference radio access bearers from TS 25.926 for test purposes, since TSG-T can derive them from **Typical radio parameter sets version 1.3 (GSM-ISG)**

RAN WG3 (R'99)

- A total of 190(210) CRs were submitted and approved
- Current WG3 chairman, Per Willars, will resign at next WG3 meeting.
- Most problems were solved. Some problems are identified newly.
  - Potential problem: Limitations on RANAP message size when using MAP/TCAP as bearer over the E-interface in the CN
  - Stage 2 specification of subsequent intra MSC-B handover (GSM – UMTS). *This issue should be studied by N1 since N1 is responsible for the stage 2 specifications in the CN.*

RAN WG4 (R’99)

- 76 (102) CRs were submitted and approved
- R4 is coming to convergence to R’99

ITU Ad Hoc

- ITU Ad Hoc drafted update of IMT2000 and approved
  - Revised overview
  - Reference document for SDOs
- Approved draft Liaisons:
  - LS on Handling of the measurement uncertainties
  - Response to LS (ITU-R WP 8F) on Unwanted emissions

MCC staff workload

- Workload for MCC staff is very high, especially for WG2, WG3
- In PCG, it was agreed to increase the RAN support resources
- ARIB offered some support as short term solution. Activity has started

RAN statistics from Oct.’99 to Sept.’00

- Plenary: CRs-2170, Tdocs-788
- WG1: CRs-386, Tdocs-1731
- WG2: CRs-655, Tdocs-2634
- WG3: CRs-875, Tdocs-3206
- WG4: CRs-400, Tdocs-1190

Future releases

- It was agreed that realistic date for next release is March’00
- Work item sheets are confirmed and endorsed, one by one.
- Some work items are moved to Release 5
  - From next slide each WI will be explained.
  - (WG3 #11) means main responsibility is in WG3, completion date is RAN#11

Work Items

- Requirement on Equipment
  - Base station classification (WG4 #11)
  - UTRA Repeater Specification (WG4 #11)
- RAN Improvement Feature
  - RRM optimizations for Iur and Iub (WG3 #11)
  - Handover for real-time services from PS-Domain (WG3 #11)

Modified WI on RAB QoS

- RAB Quality of Service Negotiation over Iu was split as follows:
- RAB QoS Negotiation/Renegotiation over Iu (WG3 #11)
  - RAB QoS NEGOTIATION over Iu (WG3 #11)
  - RAB QoS Renegotiation over Iu (WG3 #11)

Work Items

- Evolution of the transport in the UTRAN
  - IP Transport in UTRAN (WG3 #11)
  - QoS optimization for AAL type 2 connections over Iub and Iur interfaces (WG3 #11)
- TrFO (WG3 #11) Work item sheet drafted and endorsed (with help of TrFO convenor)

Modified WI on positioning

- Concerns are shown on positioning method under discussion. WIs on positioning are rearranged as follows:
- UE positioning
  - Iub/Iur interfaces for UE positioning methods supported on the radio interface release 99 (WG3 #11)
  - UE positioning enhancements (WG2 #11)

Work Items

- Radio Interface Improvement Feature (RAN)
  - Improved usage of downlink resource in FDD for CCTrCHs of dedicated type (WG2 #14)
  - Radio access bearer support enhancement (WG2 #11)
  - Hybrid ARQ II/III (WG2 #13)
  - Terminal power saving features (WG1 #11)
  - Smart antenna (WG1 #11)
  - NodeB Synchronization for TDD (WG1 #14)
  - Improvement of inter-frequency and inter-system measurements (WG1 #14)

Work Items

- Low chip rate TDD option (WG1 #11)
  - Low Chip Rate TDD Physical Layer (WG1 #11)
  - Low chip rate TDD layer 2 and layer 3 protocol aspects (WG2 #11)
  - Low Chip Rate TDD UE radio access Capability (WG2 #11)
  - Low chip rate TDD UTRAN network Iub/Iur protocol aspects (WG3 #11)
  - Low Chip Rate TDD RF Radio Transmission/ Reception, System Performance Requirements and Conformance Testing (WG4 #11)

Study Items Radio Interface Improvement Feature

- High speed downlink packet access (WG2 #11(report))
- Feasibility Study for Improved Common DL Channel for Cell-FACH State (WG2 #11 (report))
- Radio link performance enhancements (WG1 #14 (Specs))
- USTS (WG1 #14 (Specs))

Newly approved work items

- DSCH power control improvement in SHO (WG1 #11) was created after study
- Migration to Modification procedure (WG3 #11)
- UMTS 1800 (WG4 #11)
- RAN Technical Small Enhancements and Improvements (RAN #11)
- Study item: Feasibility study of UE antenna efficiency test methods performance requirements (WG4 #12)

Low chip rate TDD

- Low chip rate TDD made a good progress.
- Concern on interference when co-existing with High chip rate TDD was shown.
- R4 will study the impact (already started)

Other issues

- LS to ITU-T on AAL2 was drafted. It will be send by name of individual member
- On IP header compression, R2 agreed to adopt IETF solution (WI : Radio access bearer support enhancement)
- Please use Rel 4 for release 4, especially on e-mail discussion. R4 will be understood as RAN WG4, handling RF issues by RAN delegates.

Concluding remark

- Still, work on R'99 is remaining, especially in R2 and R3.
- Discussion on Rel 4 has started, especially in R1. But not much has been achieved
- Realistic date for Rel 4 is March'01 from RAN viewpoint
- RAN plenary is getting busy again